

NEUTRAL PERITONEAL DIALYSIS FLUID

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Inventor(s): YAMAMOTO TADASHI; WATANABE JUNICHIRO

Applicant(s):: TERUMO CORP

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Abstract

PROBLEM TO BE SOLVED: To obtain a dialysis fluid effective for decreasing the damage on the peritoneal mesothelium cell and peritoneal macrophage function and having excellent aging stability and safety to living body by adding bicarbonate ion to a basic solution in an amount to attain a specific concentration in mixed state and adjusting the pH of the mixture to a level within a specific range.

SOLUTION: An acidic solution containing a reducing sugar, an organic acid, etc., is incorporated with various components to get a mixture containing 1-10W/V% of glucose, 5-40mEq/l of lactate ion, 50-150mEq/l of sodium ion, 0-5mEq/l of calcium ion and 0-5mEq/l of magnesium ion, the obtained basic solution is incorporated with bicarbonate ion in an amount to get a mixture having a bicarbonate ion content of 5-20mEq/l and the pH of the mixture is adjusted to 6.8-7.4.

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